

Title (en)

Composite metal oxide material.

Title (de)

Material aus Metalloxydgemischen.

Title (fr)

Matériau composite contenant des oxydes de métal.

Publication

**EP 0636714 A1 19950201 (EN)**

Application

**EP 94305540 A 19940727**

Priority

JP 18471293 A 19930727

Abstract (en)

A composite material is disclosed which includes a substrate, an oriented film provided on a surface of the substrate and formed of a crystal of a Y123 metal oxide of the formula  $\text{LnBa}_2\text{Cu}_3\text{O}_y$  wherein Ln stands for Y or an element belonging to the lanthanoid and y is a number of 6-7, and a layer of a Y123 metal oxide of the formula  $\text{LnBa}_2\text{Cu}_3\text{O}_y$  wherein Ln stands for Y or an element belonging to the lanthanoid and y is a number of 6-7 formed on the oriented film.

IPC 1-7

**C30B 29/22**; **H01L 39/24**

IPC 8 full level

**C30B 19/12** (2006.01); **C04B 35/45** (2006.01); **C30B 15/00** (2006.01); **C30B 25/02** (2006.01); **C30B 29/22** (2006.01); **H10N 60/01** (2023.01)

CPC (source: EP US)

**C04B 35/4508** (2013.01 - EP US); **C30B 15/00** (2013.01 - EP US); **C30B 29/225** (2013.01 - EP US); **H10N 60/0296** (2023.02 - EP US); **H10N 60/0604** (2023.02 - EP US); **Y10S 428/93** (2013.01 - EP US); **Y10S 505/701** (2013.01 - EP US); **Y10S 505/704** (2013.01 - EP US); **Y10S 505/729** (2013.01 - EP US); **Y10S 505/733** (2013.01 - EP US)

Citation (search report)

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CN103060914A; EP0863568A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0636714 A1 19950201**; **EP 0636714 B1 19990310**; DE 69416906 D1 19990415; DE 69416906 T2 19990826; JP 3008970 B2 20000214; JP H0733590 A 19950203; US 5627142 A 19970506; US 5998050 A 19991207

DOCDB simple family (application)

**EP 94305540 A 19940727**; DE 69416906 T 19940727; JP 18471293 A 19930727; US 27941694 A 19940725; US 76935396 A 19961219